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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sheena M. Loosmore, et al.
Appl'n. No. : 09/361,619
Filed : July 27, 1999
Title : RECOMBINANT HIGH MOLECULAR WEIGHT MAJOR
OUTER MEMBRANE PROTEIN OF MORAXELLA
Grp./A.U. : 1645
Examiner : S. Devi
Docket No. : 1038-921 MIS:jb

MAY 30 2001

TECH CENTER 1600/2900

May 24, 2001

BY COURIER

The Commissioner of Patents
and Trademarks,
Box Amendment
Washington, D.C. 20231,
U.S.A.

AMENDMENT

In response to the Office Action of March 14, 2001, please amend this application in the following manner:

In the Claims:

Amend claim 1 as follows:

1. (Amended) An isolated and purified nucleic acid molecule having a nucleotide sequence selected from the group consisting of:
- (a) a nucleotide sequence set forth in Figure 3, 4 or 5 (SEQ ID Nos: 5, 6, 8, 10) for *Moraxella catarrhalis* strains 4223, Q8 and LES-1 respectively or the complementary sequence thereto,
 - (b) a nucleotide sequence encoding an about 200 kDa outer membrane protein of a strain of *Moraxella catarrhalis* and having the derived amino acid sequence shown in Figures 3, 4 or 5 (SEQ ID Nos: 7, 9, 11) for *Moraxella catarrhalis* strains 4223, Q8 and LES-1 respectively, and
 - (c) a nucleotide sequence encoding an about 200 kDa outer membrane protein of another strain of *Moraxella catarrhalis* which is characterized by a tract of consecutive G nucleotides which is 3 or a multiple thereof in length, an

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